



(19)

(11) Publication number: **10098838 A**

Generated Document.

**PATENT ABSTRACTS OF JAPAN**(21) Application number: **09263108**(51) Intl. Cl.: **H02J 7/10 G01R 19/165 H01M 10/44**(22) Application date: **29.09.97**

(30) Priority:	(71) Applicant: <b>MATSUSHITA ELECTRIC IND CO LTD</b>
(43) Date of application publication: <b>14.04.98</b>	(72) Inventor: <b>HASHIMOTO ZENICHI MIKI TOSHIO</b>
(84) Designated contracting states:	(74) Representative:

**(54) CHARGING CONTROL  
CIRCUIT FOR SECONDARY  
BATTERY**

(57) Abstract:

**PROBLEM TO BE SOLVED:** To reduce adapter power supply by detecting fluctuation of load from fluctuation of battery voltage, storing and resetting the peak charging voltage of a battery and comparing a detected battery voltage with a stored peak charging voltage thereby preventing the erroneous operation due to fluctuation of the load and realizing a float charging operation.

**SOLUTION:** Battery voltage is detected by a battery voltage detecting circuit 16 and when it is lower than a reference level, a count of a count means 8 is stored in a memory means 4. Upon fluctuation of a load connected with a battery a decision means decides an abrupt fluctuation of the load from the absolute voltage of the battery by controlling the charging current with a predetermined constant current. Memory means 4, 7 store the peak charging voltage of the battery and a reset means 5 resets a stored peak charging voltage. A comparison means 6 compares a detected battery voltage with the stored peak charging voltage. According to the arrangement, two power supply circuits comprising DC stabilized power supplies 1, 2 for charging and the adapter can be reduced to one power supply circuit.

COPYRIGHT: (C)1998,JPO

